

Chemistry

100 Questions

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1. Which is the second most abundant metal in the earth's crust? – Iron
2. Which alloy used in making heating elements for electric heating devices? – Nichrome
3. Which is the element found on the surface of the moon? – Titanium
4. Radioactive disintegration of uranium ultimately results in which formation? – Lead
5. Which variety of glass is heat resistant? – Pyrex glass
5. Which synthetic fibre is known as artificial silk? – Rayon
7. Which fertilizer has more nitrogen content? – Urea
8. Which is the essential element in all organic compounds? – Carbon
9. Which substance coated on plastic tape? – Iron oxide
10. Which is used in welding industry? – Acetylene
11. Which element present in the largest amount in rocks and minerals? – Silicon
12. Which is used as a material for making protective windows in space probes? – Diamond
13. Non-stick cooking utensils are coated with which metal? – Teflon
14. Which substance is a bad conductor of electricity but a good conductor of heat? – Mica
15. Which is the most unreactive gas? – Hydrogen
16. 'IC chips' for computers are usually made of which metal? – Silicon
17. In fireworks, how is the green flame produced? – Because of barium
18. By which an element is best characterized? – By its atomic number
19. Which when dissolved in HO gives hissing sound? – Limestone
20. What are Rubies and Sapphires chemically known as? – Aluminium oxide
21. Which material is suitable for water purification? – Zeolites
22. Which glass is used in bullet proof screens? – Reinforced glass
23. What is used in preparing match sticks? – Red phosphorus
24. Which type of glass can cut off ultraviolet rays? – Crookes glass
25. From which are Contact lenses made? – Lucite

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26. Which polymer is used for making bulletproof material? – Polyethylene
27. Which major component is used in preparation of different types of glasses? – Silica
28. Which will you put into pure water in order to pass electric current through it? – Lemon Juice
29. With which name of the particle 'Boson' is associated? – S. N. Bose
30. Cooking gas is a mixture of which gases? – Butane and propane
31. What is the most abundant metal in the earth's crust? – Aluminium
32. Which are the metal that is present in photo films? – Silver
33. Which element that does not occur in nature but can be produced artificially? – Plutonium
34. In vulcanisation, with which the natural rubber is heated? – Sulphur
35. Which chemical used as a 'fixer' in photography? – Sodium thiosulphate
36. Which does not wet the walls of the glass vessel in which it is kept? – Mercury
37. Acetyl salicylic acid is commonly used as which medicine? – A pain killer
38. Which acid used to remove inkspots? – Oxalic acid
39. All acids contain which element? – Hydrogen
40. In which processes light energy is converted into chemical energy? – Photosynthesis
41. Which metal used to pollute the air of a big city? – Lead
42. Which is a non-metal that remains liquid at room- temperature? – Bromine
43. Which pair does not contain a coinage metal? – Zinc and Gold
44. By which method is the age of most ancient geological formations estimated? – C4 method
45. What is the main constituent of natural gas? – Methane
46. For which thing is Washing soda the common name? – Sodium carbonate
47. By which permeability is a super conductor characterised? – Zero permeability
48. In colourful diamond, Why are different colours present? – Due to impurities
49. Which is an element which never exhibits positive oxidation state in any of its compounds? – Fluorine
50. Which is a major constituent of Biogas? – Methane

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51. Which metal is used for making boats because it does not corrode by seawater? – **Titanium**
52. Which nontoxic gas helps in formation of enzymes which ripen fruit? – **Acetylene**
53. Uranium eventually decays into a stable isotope of element? – **Lead**
54. Which contain high content of lead? – **High octane fuel**
55. Which is used in beauty parlours for hair setting? – **Sulphur**
56. The filament of an electric bulb is made of which metal? – **Tungsten**
57. What is the average salinity of sea water? – **3.5%**
58. Which isotope of uranium capable of sustaining chain reactions? – **U-235**
59. Which is used as a filler in rubber tyres? – **Carbon black**
60. By whom was the quantum theory first enunciated? – **By Max Planck**
61. Which charcoal is used to decolourise raw sugar? – **Wood charcoal**
62. Which is the most important ore of aluminium? – **Bauxite**
63. Which is the metal used in storage batteries? – **Lead**
64. How are Oxygen and ozone? – **Allotropes**
65. Which is the best conductor of electricity? – **Silver**
66. 'Gobar gas' contains mainly which gas? – **Methane**
67. Which is the gas usually filled in the electric bulb? – **Nitrogen**
68. Which are the Actinides elements with atomic numbers? – **From 89 to 103**
69. Which element is obtained from sea weeds? – **Iodine**
70. Which type of glass is used in making lenses and prisms? – **Flint glass**
71. Rusting of iron is an example of which thing? – **Slow oxidation**
72. Which is also called Stranger Gas? – **Xenon**
73. Which chemical is used in foam fire extinguishers? – **Aluminium sulphate**
74. Which substance is used to retard the setting action of cement? – **CaSO₄·2H₂O**
75. What is a mixture of potassium nitrate, powdered charcoal and sulphur called? – **Gun powder**

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76. Which non-metals is not a poor conductor of electricity? – **Selenium**
77. Which polymeric material is used for making bullet proof jacket? – **KEVLAR**
78. Which type of glass is used for making glass reinforced plastic? – **Quartz glass**
79. Which is called philosopher's wool? – **Zinc oxide**
80. Which metal is non toxic in nature? – **Gold**
81. What is a powerful eye irritant present in smog? – **Sulphur dioxide**
82. What is the main constituent of vinegar? – **Acetic acid**
83. Which of the toxic heavy metals is found in modern tannery industries? – **Chromium**
84. What are Carbon, diamond and graphite together called? – **Allotropes**
85. Galvanised iron sheets have a coating of which metal? – **Zinc**
86. Which are the high-temperature superconductors? – **Ceramic oxides**
87. By which can the location and energy of an electron in an atom be specified? – **Quantum numbers**
88. If a proton of mass m is moving with velocity of light, how will its mass? – **Unchanged**
89. A deuterium nucleus consists of which particles? – **One proton and one neutron**
90. Stainless steel is an alloy of which metals? – **Iron, chromium and nickel**
91. Which form of phosphorus is used in safety matches? – **Red phosphorus**
92. Which is the gas used to extinguish fire? – **Carbon dioxide**
93. Which is the element common to all acids? – **Hydrogen**
94. Which is the substance which can act both as an acid and a base? – **Amphoteric**
95. Which was the gas which had leaked out of Union Carbide factory in Bhopal? – **Methyl isocyanate**
96. Which metal is found in 'plaster of paris' ? – **Calcium**
97. Which is the main ingredient in cement ? – **Lime stone**
98. Which is the basis of modern periodic table? – **Atomic number**
99. Which are the important raw materials required in cement industry ? – **Limestone and clay**
100. What is the major ingredient of leather? – **Collagen**